## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S4	1	("4857914").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/19 14:22
S3	97226	keypad	US-PGPUB; USPAT	OR	ON	2009/05/19 14:22
S2	55550	(345/156-178).OCLS. or ("715").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/05/19 14:22
S1	17586	(345/156-178).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/05/19 14:22
<b>S</b> 5	26	("3751718"   "3885408"   "4333090"   "4336530"   "4348660"   "4386351"   "4479112"   "4502048"   "4709387"   "4724423"). PN. OR ("4857914"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/19 14:23
<b>S</b> 6	16	("4333090"   "4857914"   "5276314"   "5508692"   "5768386"   "5815083"   "5949348"   "5970146"   "6049790"   "6317835"   "6434702").PN. OR ("6549194").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/19 14:25
S7	6263	S2 and S3	US-PGPUB; USPAT	OR	ON	2009/05/19 14:27
S8	414	S7 and ((changeable changing change variable varying vary) with (key button) with (arrangement arranging placement location position))	US-PGPUB; USPAT	OR	ON	2009/05/19 14:28
S12	22	S9 S10 S11	US-PGPUB; USPAT	OR	ON	2009/05/22 12:52
S11	5	KIM-BYUNG-SUNG.in.	US-PGPUB; USPAT	OR	ON	2009/05/22 12:52
S10	3	YIM-SANG-BIN.in.	US-PGPUB; USPAT	OR	ON	2009/05/22 12:52
S9	20	KIM-JUN-SIK.in.	US-PGPUB; USPAT	OR	ON	2009/05/22 12:52
S13	1	("20070096946").PN.	US-PGPUB; USPAT	OR	OFF	2009/06/10 11:47
S14	1	("2001228970").PN.	US-PGPUB; USPAT; JPO	OR	OFF	2009/06/10 13:45

S15	1	("2002358153").PN.	US-PGPUB; USPAT; JPO	OR	OFF	2009/06/10 13:46
S16	2	("2000214943").PN. or (61/229160).APP.	US-PGPUB; USPAT; JPO	OR	OFF	2009/06/10 13:54
S17	6	(02/396656). <b>A</b> PP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 13:55
S21	6	"0239656"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 13:56
S20	2	"02\396656"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 13:56
S19	0	"02/396656"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 13:56
S18	2	"02396656"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 13:56
S23	1	S22 and mask\$3	US-PGPUB; USPAT	OR	ON	2009/06/10 13:57
S22	8	(US-20070096946-\$).did. or (US-4857914-\$ or US- 6549194-\$ or US- 5396226-\$ or US- 6434702-\$).did. or (JP- 2001228970-\$ or JP- 2002358153-\$).did. or (WO-0239656-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/06/10 13:57
S29	10	key with input with (light adj shield\$3)	US-PGPUB; USPAT	OR	ON	2009/06/10 13:58
S28	1	S22 and (light adj shield \$3)	US-PGPUB; USPAT	OR	ON	2009/06/10 13:58
S27	1	S22 and (light adj shielding)	US-PGPUB; USPAT	OR	ON	2009/06/10 13:58

<b>S30</b>	87	("20020029341"   "3519116"   "3587051"   "3751718"   "3812403"   "3885408"   "3893073"   "3904870"   "4333090"   "4336530"   "4348660"   "4386351"   "4442425"   "4479112"   "4502048"   "4709387"   "4724423"   "4857914"   "5274370"   "5276314"   "5508692"   "5768386"   "5815083"   "5949348"   "5970146"   "6049790"   "6130947"   "6148406"   "6185316"   "6209102"   "6276604"   "6317835"   "6324287"   "6434702").PN. OR ("4333090"   "4857914"   "5036191"   "5396226"   "6434702"   "6549194"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/10
S31	0	S30 and "masking image"	US-PGPUB; USPAT	OR	ON	2009/06/10 14:08
S32	9	S30 and (mask\$3)	US-PGPUB; USPAT	OR	ON	2009/06/10 14:09
S36	4428	S35 and mask\$3	US-PGPUB; USPAT	OR	ON	2009/06/10 14:10
S35	34930	S34 and display	US-PGPUB; USPAT	OR	ON	2009/06/10 14:10
S34	44886	S33 and (key with input \$4)	US-PGPUB; USPAT	OR	ON	2009/06/10 14:10
S33	1841967	secur\$3	US-PGPUB; USPAT	OR	ON	2009/06/10 14:10
S40	620	S36 and S39	US-PGPUB; USPAT	OR	ON	2009/06/10 14:11
S39	43218	(arrang\$5 rearrang\$5 re- arrang\$5) with key	US-PGPUB; USPAT	OR	ON	2009/06/10 14:11
S38	3391	S36 and S37	US-PGPUB; USPAT	OR	ON	2009/06/10 14:11
S37	2999230	arrang\$5 rearrang\$5 re- arrang\$5	US-PGPUB; USPAT	OR	ON	2009/06/10 14:11
S50	27	S47 S48 S49	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S49	8	KIM-BYUNG-SUNG.in.	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S48	3	YIM-SANG-BIN.in.	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S47	22	KIM-JUN-SIK.in.	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41

S46	638	S44 and S45	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S45	44440	(arrang\$5 rearrang\$5 re- arrang\$5) with key	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S44	4627	S43 and mask\$3	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S43	36726	S42 and display	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S42	47017	S41 and (key with input \$4)	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
S41	1888682	secur\$3	US-PGPUB; USPAT	OR	ON	2009/10/13 08:41
L4	27	L1 L2 L3	US-PGPUB; USPAT	OR	ON	2009/10/20 09:07
L3	8	KIM-BYUNG-SUNG.in.	US-PGPUB; USPAT	OR	ON	2009/10/20 09:07
L2	3	YIM-SANG-BIN.in.	US-PGPUB; USPAT	OR	ON	2009/10/20 09:07
L1	22	KIM-JUN-SIK.in.	US-PGPUB; USPAT	OR	ON	2009/10/20 09:07

## **EAST Search History (Interference)**

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10/20/2009 10:00:17 AM

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